

Vlasta Sasinkova

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

2,195
citations

19
h-index

46
g-index

54
ext. papers

2,468
ext. citations

4.3
avg, IF

5.2
L-index

#	Paper	IF	Citations
47	FT-IR study of plant cell wall model compounds: pectic polysaccharides and hemicelluloses. <i>Carbohydrate Polymers</i> , 2000 , 43, 195-203	10.3	1144
46	Electrochemical performance of TiCT MXene in aqueous media: towards ultrasensitive H ₂ O ₂ sensing. <i>Electrochimica Acta</i> , 2017 , 235, 471-479	6.7	151
45	Antioxidative and antimutagenic activity of yeast cell wall mannans in vitro. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2001 , 497, 213-22	3	80
44	Influence of the drying method on the physical properties and immunomodulatory activity of the particulate (1-3)-D-glucan from <i>Saccharomyces cerevisiae</i> . <i>Carbohydrate Polymers</i> , 2003 , 51, 9-15	10.3	60
43	Thermal destruction of soil water repellency and associated changes to soil organic matter as observed by FTIR spectroscopy. <i>Catena</i> , 2008 , 74, 205-211	5.8	58
42	Biosorption of cadmium ions by different yeast species. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2002 , 57, 634-9	1.7	56
41	Degradation of hyaluronan by ultrasonication in comparison to microwave and conventional heating. <i>Carbohydrate Polymers</i> , 2005 , 61, 420-426	10.3	55
40	Microdiamond discovered in the Seve Nappe (Scandinavian Caledonides) and its exhumation by the Vacuum-cleaner mechanism. <i>Geology</i> , 2014 , 42, 1107-1110	5	50
39	Influence of tiopronin, captopril and levamisole therapeutics on the oxidative degradation of hyaluronan. <i>Carbohydrate Polymers</i> , 2015 , 134, 516-23	10.3	44
38	Characterization of immunomodulatory polysaccharides from <i>Salvia officinalis</i> L. <i>International Journal of Biological Macromolecules</i> , 2003 , 33, 113-9	7.9	42
37	Hydrogen peroxide generation by the Weissberger biogenic oxidative system during hyaluronan degradation. <i>Carbohydrate Polymers</i> , 2016 , 148, 189-93	10.3	41
36	Microdiamond on Feskutan confirms regional UHP metamorphism in the Seve Nappe Complex of the Scandinavian Caledonides. <i>Journal of Metamorphic Geology</i> , 2017 , 35, 541-564	4.4	40
35	Diamond in metasedimentary crustal rocks from Pohorje, Eastern Alps: a window to deep continental subduction. <i>Journal of Metamorphic Geology</i> , 2015 , 33, 495-512	4.4	39
34	Effects of extraction condition on structural features and anticoagulant activity of <i>F. vesca</i> L. conjugates. <i>Carbohydrate Polymers</i> , 2013 , 92, 741-50	10.3	37
33	Carboxymethyl Starch Octenylsuccinate: Microwave- and Ultrasound-assisted Synthesis and Properties. <i>Starch/Staerke</i> , 2008 , 60, 389-397	2.3	36
32	Antioxidant and antimutagenic activity of mannan neoglycoconjugates: mannan-human serum albumin and mannan-penicillin G acylase. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2006 , 606, 72-9	3	34
31	A tertiary amine in two competitive processes: reduction of graphene oxide vs. catalysis of atom transfer radical polymerization. <i>RSC Advances</i> , 2015 , 5, 3370-3376	3.7	23

30	Unexplored capabilities of chemiluminescence and thermoanalytical methods in characterization of intact and degraded hyaluronans. <i>Polymer Degradation and Stability</i> , 2006 , 91, 3174-3184	4.7	23
29	Microwave-assisted synthesis of carboxymethylcellulose based polymeric surfactants. <i>Polymer Bulletin</i> , 2008 , 60, 15-25	2.4	21
28	Cyclodextrin derivative of hyaluronan. <i>Carbohydrate Polymers</i> , 1999 , 39, 17-24	10.3	17
27	Triassic to Early Jurassic (c.200Ma) UHP metamorphism in the Central Rhodopes: evidence from U-Pb dating of monazite in diamond-bearing gneiss from Chepelare (Bulgaria). <i>Journal of Metamorphic Geology</i> , 2016 , 34, 265-291	4.4	16
26	High-molar-mass hyaluronan degradation by Weissberger's system: Pro- and anti-oxidative effects of some thiol compounds. <i>Polymer Degradation and Stability</i> , 2009 , 94, 1867-1875	4.7	14
25	Degradation of high-molar-mass hyaluronan by an oxidative system comprising ascorbate, Cu(II), and hydrogen peroxide: inhibitory action of antiinflammatory drugs--naproxen and acetylsalicylic acid. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007 , 44, 1056-63	3.5	13
24	Effect of salt stress on the production and properties of extracellular polysaccharides produced by <i>Cryptococcus laurentii</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2005 , 60, 444-50	1.7	13
23	The effect of neutron irradiation on the properties of SiC and SiC(N) layer prepared by plasma enhanced chemical vapor deposition. <i>Applied Surface Science</i> , 2013 , 269, 88-91	6.7	10
22	Structure and properties of water-soluble p-carboxybenzyl polysaccharide derivatives. <i>Journal of Applied Polymer Science</i> , 2000 , 78, 1191-1199	2.9	10
21	In-situ surface-enhanced Raman scattering and FT-Raman spectroscopy of black prints. <i>Vibrational Spectroscopy</i> , 2018 , 94, 16-21	2.1	10
20	9-Isothiocyanatoanthracene as a Versatile Starting Compound in the Chemistry of Anthracen-9-yl Derivatives. <i>Collection of Czechoslovak Chemical Communications</i> , 2002 , 67, 665-678		8
19	Polyglobalide-Based Porous Networks Containing Poly(ethylene glycol) Structures Prepared by Photoinitiated Thiol-Ene Coupling. <i>Biomacromolecules</i> , 2018 , 19, 3331-3342	6.9	7
18	Surface-active and associative properties of ionic polymeric surfactants based on carboxymethylcellulose. <i>Polymer Engineering and Science</i> , 2011 , 51, 1476-1483	2.3	7
17	Polymeric Surfactants from Beechwood Glucuronoxylan. <i>Tenside, Surfactants, Detergents</i> , 2006 , 43, 137-141		7
16	Preparation of ion-exchangers by cross-linking of starch or polygalacturonic acid with 1,3-bis(3-chloro-2-hydroxypropyl)imidazolium hydrogen sulphate. <i>Carbohydrate Polymers</i> , 2002 , 47, 131-136	10.3	6
15	A Structural Analysis of the Angucycline-Like Antibiotic Auricin from Subsp. CCM 3239 Revealed Its High Similarity to Griseusins. <i>Antibiotics</i> , 2019 , 8,	4.9	4
14	Monazite behaviour during metamorphic evolution of a diamond-bearing gneiss: a case study from the Seve Nappe Complex, Scandinavian Caledonides. <i>Journal of Petrology</i> , 2019 ,	3.9	4
13	Transmission photocathodes based on stainless steel mesh coated with deuterated diamond like carbon films. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 753, 14-18	1.2	3

12	Structural characterisation of thiol-modified hyaluronans. <i>Cellulose</i> , 2012 , 19, 2093-2104	5.5	3
11	Raman spectroscopy study of SiC thin films prepared by PECVD for solar cell working in hard environment 2015 ,		2
10	Crystal Structure, Infrared Spectra and DFT Study of Benzyl 2,3-Anhydro- β -D-Ribopyranoside. <i>Journal of Chemical Crystallography</i> , 2011 , 41, 167-174	0.5	2
9	Very thin N-doped nanostructured carbon films on quartz and sapphire substrate: Photoelectron emission properties. <i>Thin Solid Films</i> , 2020 , 709, 138200	2.2	1
8	HWCVD of B-doped silicon carbide thin films for SHJ solar cell technology. <i>Integrated Ferroelectrics</i> , 2017 , 184, 23-31	0.8	1
7	O-(2-Hydroxyethyl)cellulose-derived Surfactants Prepared by Microwave-assisted Transesterification. <i>Tenside, Surfactants, Detergents</i> , 2009 , 46, 163-168	1	1
6	Light-Responsive Hybrids Based on Carbon Nanotubes with Covalently Attached PHEMA-g-PCL Brushes. <i>Macromolecules</i> , 2021 , 54, 2412-2426	5.5	1
5	Very thin carbon-based films for transmissive photocathodes. <i>Journal of Physics: Conference Series</i> , 2020 , 1492, 012034	0.3	
4	Aliphatic 1,2-alkanolamines--inhibitors of beta-glucanase from <i>Candida utilis</i> . <i>Folia Microbiologica</i> , 1993 , 38, 392-4	2.8	
3	Synthesis, Characterization and Anti-redeposition Properties of Sulfoethyl Locust Bean Gum \square Interaction with Laundry Detergent Enzymes. <i>Tenside, Surfactants, Detergents</i> , 2012 , 49, 156-160	1	
2	Aluminium powder as a reactive template for preparation of carbon flakes from CCl ₄ . <i>Chemical Papers</i> , 2020 , 74, 4599-4607	1.9	
1	Natural Resources and Waste Products in Aquatic Media Remediation and Diclofenac Uptake. <i>Current Green Chemistry</i> , 2018 , 5, 114-121	1.3	